

Lancaster Rural District Council

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# REPORT

OF THE

Medical Officer of Health  
for the Year  
1941.



Lancaster Rural District Council.

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# Annual Report of the Medical Officer of Health For the Year 1941.

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To the Chairman and Members of the  
LANCASTER RURAL DISTRICT COUNCIL.

Mr. Chairman and Gentlemen,

I beg to present to you the Annual Report for the year 1941 on the Health and Sanitary circumstances of your District.

This is an ordinary Report and is not intended to include any information regarding A.R.P. Services.

The Report includes that of your Surveyor and Sanitary Inspector so far as his activities relate to Health and Sanitary matters.

I am,  
Mr. Chairman and Gentlemen,  
Your obedient Servant,  
J. A. TOMB,  
Medical Officer of Health.



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## **PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.**

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**Medical Officer of Health :**

J. A. TOMB, M.B., Ch.B., D.P.H.

**Surveyor and Sanitary Inspector :**

KENNETH H. DOCTON \* †

**First Assistant Surveyor and Sanitary Inspector :**

CLIFFORD HYDE \* °

**Second Assistant Surveyor and Sanitary Inspector :**

ERIC WINDER °

**Clerical Assistant :** THOMAS PROCTOR °

**Temporary Staff :** JOHN BAGOT, DOUGLAS ATHERTON

° On Active Service.

\* Sanitary Inspector's Certificate.

† Member Instn. Municipal and County Engineers.

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### **1. Statistics and Social Conditions of the Area :**

AREA of the District (Acres) .....	53,317
POPULATION (Census 1931) .....	9,697
POPULATION (Registrar General's Estimate 1941) .....	11,410
NUMBER OF INHABITED HOUSES (Census 1931) .....	2,396
NUMBER OF INHABITED HOUSES (March, 1941, according to Rate Books).....	3,175
Number of Families or separate occupiers (Census 1931) .....	2,454
RATEABLE VALUE .....	£57,220
Sum represented by a Penny Rate .....	£244

The chief occupations of the inhabitants of the District are :

Agricultural Work.

Textile Work.

Quarrying.

In addition to these usual occupations a considerable amount of labour is absorbed upon factories for war purposes.

There is a very definite shortage of labour in the district.

There is no particular occupation having an influence on the health of the inhabitants.

2. Extracts form Vital Statistics of the Year.

	Total	Male	Female
Live Births (Legitimate) .....	144	77	67
(Illegitimate) .....	12	9	3
Total .....	156	86	70
Birth-Rate per 1,000 population .....	13.6		
Rate per 1,000 total (live and still) births .....	12.0		
Deaths .....	148	77	71
Stillbirths .....	2	1	1
Death-rate per 1,000 of the estimated resident population .....	12.9 = 148 persons.		

Deaths from puerperal Causes :—

	Rate per 1000 (live and still)	
	Deaths	Births
Puerperal sepsis .....	—	Nil
Other puerperal causes .....	—	Nil
Total .....	—	Nil

Death-rate of Infants under one year, per 1,000 live births :—

		1940
All .....	18	43
Legitimate .....	6	44
Illegitimate .....	166	Nil

Deaths from Cancer (all ages) .....	25
Deaths from Measles (all ages) .....	Nil
Deaths from Whooping Cough (all ages) .....	Nil
Deaths from Diarrhoea (under 2 years of age) .....	Nil



	Per 1000 of Estimated Population				Maternal- mortality rate		
	Live Birth-rate	Crude Death-rate	Death-rate from Tuberculosis of Respiratory System	Death-rate from Cancer	Per 1000 live births	Per 1000 total (live and still) births	Rate of deaths under one year per 1000 live births
Mean of 5 yrs. 1936-1940	14.0	13.6	.49	1.27	7.42	7.09	47
Year—1940	12.5	14.2	.46	1.75	Nil	Nil	43
Year—1941	13.6	12.9	.17	2.19	Nil	Nil	48
Increase or decrease in 1940 on—5 yrs. average, 1935-1939:	—0.4	+0.7	—0.32	—0.92	—7.42	—7.09	—29
Previous year	+1.1	+1.3	—0.29	+0.44	Nil	Nil	—25

#### DEATHS FROM ALL CAUSES IN THE YEAR 1941.

	Males	Females	Total
Cerebro-spinal Fever .....	—	1	1
Tuberculosis of the Respiratory System .....	2	—	2
Influenza .....	1	1	2
Cancer .....	13	12	25
Intra Cranial Vascular .....	5	7	12
Heart Disease .....	20	23	43
Disease of Circ. System .....	4	4	8
Bronchitis .....	2	1	3
Pneumonia .....	3	—	3
Other Respiratory Diseases .....	1	1	2
Digestive Diseases .....	3	—	3
Nephritis .....	6	3	9
Congenital Debility and Premature Births .....	2	1	3
Suicide .....	1	1	2
Road Accidents .....	—	1	1
Other Violent Causes .....	4	4	8
All other causes .....	10	11	21
	77	71	148

Deaths of Infants under one year of age :—

	Males	Females	Total
Total .....	2	2	4
Legitimate .....	2	1	3
Illegitimate .....	—	1	1

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**General Provision of Health Services for the Area.**

(a) **Laboratory Facilities.** Swabs for Diphtheria are examined at the Isolation Hospital of the Lancaster and District Joint Hospital Board, and other Bacteriological specimens are sent to the Public Health Laboratory of the Manchester University at Manchester. Analysis of Foodstuffs is carried out under the direction of the Lancashire County Council.

(b) **Ambulance Facilities.**

For Infectious Diseases :— The Lancaster and District Joint Hospital Board's Ambulance is available.

Other Cases :— Lancaster Corporation (Watch Committee) Ambulance is available on payment of 1/- per mile for cases outside the City Boundary.

(c) **Professional Nursing in the Home.** The District is provided for by the respective Nursing Associations. The Council assists them financially.

(d) **Treatment Centres and Clinics.** None in the Area. Tuberculosis patients are dealt with at the Lancashire County Council Dispensary, 8 Middle Street, Lancaster. The nearest Clinic for the treatment of Venereal Diseases is at Preston Royal Infirmary.

(e) **Hospitals : Public and Voluntary.**

Infectious Diseases :— The Isolation Hospital of the Lancaster and District Joint Hospital Board, and Smallpox Hospital are available by arrangement.

Other Cases: The Royal Lancaster Infirmary( Voluntary Hospital) situated in Lancaster City.



#### 4. Sanitary Circumstances of the Area.

##### Water Supply :—

Authority from which supply obtained.

Source of supply.

Nature of supply (e.g., moorland, deep wells, etc.)

Particular of any new sources of public supply.

Is the supply satisfactory ?

Constant or intermittent

Approx. No. of dwelling-houses with piped supplies (public or private).

Possibilities of contamination.

Action taken in respect of any form of contamination.

Any liability to plumbosolvent action ?

If piped supply, has the water been examined during the year ?

Approx. number of dwelling-houses supplied from wells, springs, streams, etc.

Have these waters been examined during the year ?

Any insufficiency, and where.

Nature of extensions (if any) during the year.

Lancaster Corporation, Manchester Corporation, Fylde Water Board, Carnforth Waterworks Co. Also wells, roof water, etc.

In bulk from above. Moorland water.

None.

(a) In quality—Yes, as regards water mains Ellet water is at times dirty when draw off is large.

(b) In quantity—Yes, as regards water mains.

Water mains supplies constant.

2624 (30th June, 1942).

Nil.

Nil.

Yes, from Thirlmere water which has 2° of hardness.

Bacteriological examinations : 1.  
Chemical analyses : Nil.

450 (30th June, 1942).

One source.

None.

Supply provided to Dolphinholme bottom and mains extended in Bay Horse District. 50 houses have been connected to the mains during the year.

##### Drainage and Sewerage :—

Sewage and disposal works, method of treatment.

Parish of Slyne-with-Hest : Percolating filter. Effluent into Hatlex Beck.

Parish of Cockerham : Percolating filter, Effluent into dyke.

Parish of Middleton. Contact filters.  
Effluent into dyke.

	<p>Parish of Warton (north section): Outfall into tidal portion of river Kent.</p> <p>Parish of Warton (Millhead section): Into Carnforth sewers.</p> <p>Parish of Ellel (Dolphinholme section): Septic tank and Percolating filter. Effluent into river Wyre.</p> <p>Parish of Overton: Discharged crude into drainage ditch.</p> <p>Parishes of Thurnham, Glasson Dock: Into tidal portion of river Lune. Lower Thurnham discharged crude into drainage ditch.</p> <p>Parish of Bolton-le-Sands: Crude into Tidal dyke on foreshore.</p> <p>Priest Hutton (village). Septic Effluents from various tanks discharged into water course.</p> <p>It is not considered necessary to establish any system of pipe draining in the re- maining parishes, but it is recommended that consideration should be given to some form of treatment to the following outfalls:— Overton, Bolton-le-Sands and Warton, and when time and material permit at places referred to below. The method of removing sewage from cess- pools at Silverdale is found to be quite satisfactory.</p> <p>The Effluent from the Middleton works is not satisfactory and it is hoped that steps will be taken to correct this as soon as circumstances permit.</p>
<p><b>Rivers and Streams :—</b></p> <p>Action taken to check the pollution of rivers and streams.</p> <p>Sources and nature of pollution, and new works established, and is there any resultant river pollution?</p>	<p>The Officials of the Council are aware of any important pollution and these together with small pollutions are the subject of Inspections carried out by Inspectors of Lancashire Rivers Board, who provide particulars of observations made.</p> <p>Pollution of dykes at Priest Hutton, Lower Thurnham, Overton and Bailrigg exist. All cases due to the discharge of crude or Septic Sewage.</p>
<p><b>Closet Accommodation at end of 1940.</b></p>	<p>Closets other than water closets: 999.</p>

	<p>All houses are now provided with movable ashbins.</p> <p>No. of houses on water carriage system : 2252 (1394 to sewers, 858 to cesspools, etc.).</p> <p>No. of fresh water closets : 2252.</p> <p>Conversions during the year 1941 :—</p> <p>No. of Privy Closets : To Fresh W.C.'s ..... 6</p> <p>Yes. In parishes where sufficient water supply and sewers are available.</p> <p>Yes.</p> <p>Half Cost (Sec. 47 P.H.A. 1936).</p>
<p>Is there any definite scheme at the present time for abolishing privy middens and pail closets ?</p> <p>Does Council contribute towards the cost of conversion ?</p> <p>If so, how much ?</p>	
<p><b>Public Cleansing :—</b></p> <p>(a) The method of collecting dry house refuse.</p> <p>(b) The method of collecting refuse from earth closets and privies.</p> <p>(c) The method of disposing of dry house refuse.</p> <p>(d) The method of disposing of refuse from earth closets and privies.</p> <p>(e) The method of cleansing cesspools.</p> <p>(f) Arrangements for the disposal of cesspool contents.</p> <p>If a destructor is provided, state situation.</p> <p>State whether public cleansing is carried out by sanitary authority, contract, or occupiers of houses.</p>	<p>The whole of the district is Scavenged by the District Council with covered motor lorries.</p> <p>As above.</p> <p>Controlled Tipping.</p> <p>Controlled Tipping. (Material from excavations in neighbourhood of tips used to cover refuse periodically).</p> <p>Contractor in Parish of Silverdale. Other parishes by local farmers. Pumped into tank cart.</p> <p>On the land.</p> <p>No.</p> <p>House refuse and emptying of all dry closets carried out by sanitary authority.</p>

	During the year the collection of refuse has at times been delayed owing to the collection of salvage but not to such an extent as to render the service unsatisfactory.
<b>Sanitary Inspection during 1941</b> (including Housing): No. of premises visited. Defects or nuisances. No. of notices served. Legal proceedings.	103. No. discovered 51. No. abated 31. Informal 70. Statutory 9. One. Result: Conviction.
<b>Shops and Offices :—</b>  Particulars of any action taken under provisions of : (a) Shops Act, 1934, relating to ventilation and temperature of shops and to sanitary conveniences. (b) Public Health Act, 1936 relating to conditions in offices, i.e., ventilation, sanitary conveniences, etc. (See pages 3 and 4 of M. & H. Circular, 1600, dated 1st May, 1937).	Nil.     Nil.
<b>Camping Sites :—</b> (a) No. of sites in the area which were used for camping purposes during 1941. (b) No. of camping sites in respect of which licences have been issued by local authority under section 269 of the Public Health Act, 1936.	3 known to exist. All known sites are licensed.   Three.
<b>Smoke Abatement :—</b>  Any special action taken with regard to smoke abatement.	Nil.
No. of factory and works chimneys in the district.	Seven (not including I.C.I. Factory).



No. of observations.	Nil.
No. of legal proceedings taken, and result.	Nil.
Particulars of any co-operative action with industry.	Nil.
What is the time limit allowed per hour for the emission of black smoke ?	No Bye-law.
<hr/>	
<b>Swimming Baths and Pools :—</b>	
Brief particulars of any :	
(a) Public swimming baths or pools.	No public baths or pools in district.
(b) Privately owned swimming baths or pools open to public.	One Parish of Silverdale.
(c) Action taken to secure the satisfactory condition of the water.	Nil.
<hr/>	
<b>Eradication of bed bugs :—</b>	
Particulars of action taken during 1941.	
No. of houses found to be infested.	Nil.
No. of houses disinfested.	Nil.
<hr/>	
<b>Schools :—</b>	
(a) Sanitary condition.	Satisfactory as far as system permits.
(b) Water supply.	All except two supplied Council's mains. Satisfactory : One to be provided, other has private piped spring supply.
<hr/>	
<b>Offensive Trades :—</b>	Nil.
<hr/>	
<b>Common Lodging Houses :—</b>	No. on register : 1. Condition fair. Date of bye-laws : December, 1904. Are they adequate ? Yes.
<hr/>	
<b>Houses let in lodgings :—</b>	Nil.



Tents, Vans, Sheds, etc. :—	<p>Sites inspected and licensed.</p> <p>Action taken to prevent the occupation of 1 unsuitable structure.</p> <p>4 unlicensed dwellings removed after service of notice.</p>
Underground Sleeping Rooms :—	None.
Canal Boats :—	<p>No inspections are made in this district as the Lancaster Corporation Official carries out this work as the boats pass through Lancaster.</p>
Rag Flock Act, 1911 and 1928 :—	None.

## 5. HOUSING.

Number of new houses erected during the year :—

(a) Total (including numbers given separately under (b))	Nil
(i) By the local authority .....	Nil
(ii) By other local authorities .....	Nil
(iii) By other bodies or persons .....	Nil
(b) With State assistance under Housing Acts :	
(i) By the local authority (included under (a) (i) above .....	Nil
(ii) By other Bodies (included under (a) (iii) above .....	Nil

### 1. Inspection of Dwelling-houses during the year :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) .....	Nil
Number of inspections made for the purpose .....	Nil
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 .....	Nil
Number of inspections made for the purpose .....	Nil
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .....	Nil
(4) Number of dwelling-houses (exclusive of those referred to under the preceeding sub-head) found not to be in all respects reasonably fit for human habitation .....	Nil

### 2. Remedy of defects during the year without service of formal notices :—

Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers .....	Nil
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### 3. Action under statutory powers during the year :—

(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936 :—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs .....	Nil

(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners .....	Nil
(b) By local authority in default of owners .....	Nil
(b) *Proceedings under Public Health Acts :—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied .....	18
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners .....	18
(b) By local authority in default of owners .....	Nil
(c) Proceedings under sections 11 and 13 of the Housing Act, 1936 :—	
(1) Number of dwelling-houses in respect of which Demolition Orders were made .....	Nil
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders .....	Nil
(3) Number of dwelling-houses cleared as such.....	Nil
(4) Number of dwelling-houses in respect of which undertakings have been given under sec. II .....	Nil
(d) Proceedings under section 12 of the Housing Act, 1936:	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made .....	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .....	Nil

#### 4. Housing Act, 1936.—Part IV.—Overcrowding :—

(a) (i) Number of dwellings overcrowded at the end of the year .....	Not known and no inspections
(ii) Number of families dwelling therein .....	
(b) Number of new cases of overcrowding reported during the year .....	
(c) (i) Number of cases of overcrowding relieved during the year .....	

\* Refers only to action taken with regard to housing defects.

Notices with regard to other premises, drainage, and other defects are included under Sanitary Inspections.



## 6. Inspection and Supervision of Food.

### (a) MILK SUPPLY.

The Milk Supply is good. The Local Authority have not taken any samples of Milk on their own account, but samples of the Milk delivered to the Schools, under the Milk in Schools Scheme, have been taken on behalf of the Lancashire County Council. Three of these samples were found to contain Tubercle Bacilli and further action was taken by the Lancashire County Council.

The systematic inspection of the 341 dairy farms in the area has not been continued owing to war conditions.

There are in the area 341 cowkeepers and 3 dairymen who are not cowkeepers.

### (b) MEAT AND OTHER FOODS.

Since the outbreak of war all slaughtering has been carried out at Lancaster City Slaughterhouse.

No inspection of slaughterhouses has been made during the year.

### (c) ADULTERATION, Etc.

This part of food inspection is dealt with by the Lancashire County Council.

### (d) CHEMICAL AND BACTERIOLOGICAL EXAMINATION OF FOOD.

This is also undertaken by the Lancashire County Council.

### (e) NUTRITION.

Various lectures have been given to the Women's Institutes by the Assistant County Medical Officer of Health, and by the Health Propaganda Lecturer of the Lancashire County Council.

### (f) BAKEHOUSES.

There are 8 Bakehouses in the area and their condition is satisfactory. No inspection has been made during the year.

### (g) SHELL-FISH (Molluscan).

The Cockle Beds in the area are liable to pollution and were closed in November, 1925.

## 7. Prevalence of, and Control Over, Infectious Diseases.

During the year 10 Scarlet Fever and 5 Diphtheria cases were notified. These figures show that the incidence of these diseases was normal. The Diphtheria cases were mild. 901 children were immunised free during the year by rota of general practitioners employed by the Authority.

A supply of Anti-Toxin for use in cases of Diphtheria is kept at a Local Chemist's shop for the benefit of medical practitioners in the area.

Disinfection is carried out following notifiable infectious diseases and tuberculosis, but not measles, and during the year 29 houses were disinfected by Formalin spraying and fumigation.

### NOTIFIABLE INFECTIOUS DISEASES DURING 1941 (EXCLUDING TUBERCULOSIS).

#### CASES OF INFECTIOUS DISEASES NOTIFIED.

Disease	All Ages	Under 1	1- 2	2- 3	3- 4	4- 5	5- 10	10- 15	15- 20	20- 35	35- 45	45- 65	Over 65
Scarlet Fever	10	—	—	—	—	—	3	3	3	1	—	—	—
Diphtheria	5	—	—	—	—	—	3	1	1	—	—	—	—
Acute Polionyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia (Acute Primary & Acute Influenzal).	6	—	—	—	—	—	—	—	—	—	2	2	2
Puerperal Pyrexia	1	—	—	—	—	—	—	—	—	1	—	—	—
Enteric Fever	1	—	—	1	—	—	—	—	—	—	—	—	—
Cerebro Spinal Fever	5	—	—	—	—	1	—	2	—	1	—	1	—
Measles	100	1	7	11	8	11	51	6	2	1	2	—	—
Erysipelas	3	—	—	—	—	—	—	—	—	1	—	—	2
Whooping Cough	12	—	2	2	1	5	1	—	—	—	1	—	—
Chicken Pox	6	—	—	—	—	—	4	2	—	—	—	—	—
	149	1	7	14	10	13	66	15	6	5	5	3	4

8 cases of Scarlet Fever, 6 of Diphtheria, 1 of Enteric Fever, 3 Measles, 1 Erysipelas and 5 of Cerebro Spinal Fever were removed to Hospital.

There were three deaths during the from Pneumonia and one from Cerebro Spinal Fever.



**Number of Cases of Scarlet Fever and Diphtheria notified during  
the previous years.**

Year	Scarlet Fever	Diphtheria
1941 .....	8 .....	6
1940 .....	3 .....	7
1939 .....	20 .....	7
1938 .....	23 .....	6
1937 .....	53 .....	20
1936 .....	30 .....	36
1935 .....	4 .....	—
1934 .....	5 .....	16
1933 .....	6 .....	6
1932 .....	5 .....	1
1931 .....	8 .....	5
1930 .....	31 .....	8
1929 .....	16 .....	3
1928 .....	9 .....	3
1927 .....	11 .....	1
1926 .....	18 .....	2

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**CANCER.**

No special action has been taken to impart information to the public relating to Cancer and facilities available for treatment, but cases are sent from the district to hospitals at Manchester and Liverpool.

25 deaths from Cancer, or approximately 1 in 6, occurred during the year, compared with 19 or 1 in 8 for the year 1940.

The following table gives details of the deaths from Cancer compared with the total deaths for a period of years :—

Year	Total Deaths	Cancer Deaths
1934 .....	141 .....	17
1935 .....	136 .....	19
1936 .....	138 .....	12
1937 .....	147 .....	14
1938 .....	130 .....	15
1939 .....	121 .....	5
1940 .....	154 .....	19
1941 .....	148 .....	25

## TUBERCULOSIS.

New Cases and Mortality during the year 1941.

Age	New Cases				Deaths			
	Respiratory.		Other forms		Respiratory.		Other forms	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	—	1	—	—	—	—
5—10	—	—	1	2	—	—	—	—
10—15	—	—	—	—	—	—	—	—
15—20	—	—	—	—	—	—	—	—
20—25	1	—	—	—	1	—	—	—
25—35	1	—	—	—	—	—	—	—
35—45	—	—	—	1	—	—	—	1
45—55	1	—	—	—	1	—	—	—
55—65	—	—	—	—	—	—	—	—
Over 65	—	—	—	—	—	—	—	—
	3	—	1	4	2	—	—	1
Totals	3		5		2		1	

### Maternity and Child Welfare Work.

This work is carried out by the Lancashire County Council and the Assistant County Medical Officer of Health hold Clinics and Welfare Centres in various parts of the District.

### Inspection of Factories, Workshops and Workplaces.

Including Inspection made by Sanitary Inspectors  
or Inspectors of Nuisances.

Number of Inspections (Factories) .....	Nil
Number of Written Notices .....	Nil
Prosecutions .....	Nil

The following figures have been extracted from various old documents and are reproduced here so that the documents may be sent for salvage.

Surveyor. February, 1943.

### Extensions to Districts or formation of New Districts out of the Area which comprises the Lancaster Rural District Council.

- 1895. Carnforth Urban District Council formed of 1,505 acres.
- 1899. Heysham Urban District formed of 1,835 acres.
- 1901. Lancaster Borough Extension of 1,930 acres.
- 1935. Lancaster Borough Extension of 1,426 acres.
- 1935. Morecambe Borough Extension of 26 acres.

### LANCASTER RURAL DISTRICT.

#### No. of Houses.

1901	.....	1,821	1932	.....	2,505	1937	.....	2,949
1911	.....	2,177	1933	.....	2,567	1938	.....	3,030
1921	.....	2,233	1934	.....	2,676	1939	.....	3,175
1930	.....	2,436	1935	.....	2,809	1940	.....	3,175
1931	.....	2,476	1936	.....	2,877	1941	.....	3,175

#### Rateable Value.

Year	£	Year	£	Year	£	Year	£
1942	..... 69,839	1934	..... 53,862	1926	..... 109,863	1918	..... 89,619
1941	..... 59,051	1933	..... 53,333	1925	..... 110,521	1914	..... 88,558
1940	..... 60,105	1932	..... 50,861	1924	..... 77,021	1913	..... 88,014
1939	..... 56,451	1931	..... 50,276	1923	..... 83,813	1912	..... 87,973
1938	..... 56,451	1930	..... 49,808	1922	..... 105,692	1910	..... 87,151
1937	..... 55,659	1929	..... 48,720	1921	..... 90,039	1909	..... 86,984
1936	..... 58,078	1928	..... 107,926	1920	..... 89,698		—
1935	..... 55,922	1927	..... 110,050	1919	..... 89,557		—

#### Production of 1d. Rates.

Year	£	Year	£	Year	£	Year	£
1942	..... 287	1936	..... 213	1930	..... 200	1925	..... 460
1941	..... 247	1935	..... 235	1929	..... 203	1924	..... 455
1940	..... 250	1934	..... 224	1928	..... 313	1923	..... 455
1939	..... 237	1933	..... 222	1927	..... 312	1922	..... 440
1938	..... 158	1932	..... 211	1926	..... 452	1921	..... 386
1937	..... 232	1931	..... 194	—		—	

#### Area of District.

Year	Acres
1871	..... 59,428
1895	..... 55,174
1901	..... 54,673 (Dry Land 50,734, Inland Water 170, Tidal Land 3,769).
1911	..... 54,673
1921	..... 54,628
1929	..... 54,743
1936	..... 53,317
1939	..... 53,317

Apart from losses of area due to boundary extension of adjoining districts it is assumed that the variations in area are due to the alteration of high water mark.

### Births and Deaths Rate.

	Birth Rate per 1,000	Death Rate per 1,000		Birth Rate per 1,000	Death Rate per 1,000
1861 .....	33.3	21.6	1916 .....	15.98	14.45
1876 .....	—	19.30	1917 .....	16.61	14.10
1878 .....	35.0	17.20	1918 .....	17.5	11.8
1879 .....	41.60	21.07	1919 .....	18.2	14.9
1893 .....	27.92	17.13	1920 .....	23.5	13.0
1894 .....	27.11	15.35	1921 .....	20.6	12.2
1895 .....	24.14	15.52	1922 .....	17.5	13.3
1896 .....	27.47	15.31	1923 .....	17.4	13.3
1897 .....	29.47	16.60	1924 .....	18.6	16.5
1898 .....	29.94	14.15	1925 .....	16.8	12.7
1899 .....	32.84	14.82	1926 .....	18.8	9.9
1900 .....	30.12	19.40	1927 .....	17.8	13.1
1901 .....	21.45	13.89	1928 .....	15.6	12.0
1902 .....	26.25	16.74	1929 .....	15.5	14.5
1903 .....	25.49	13.76	1930 .....	14.9	11.3
1904 .....	22.37	12.14	1931 .....	13.9	12.7
1905 .....	21.52	13.56	1932 .....	11.8	13.0
1906 .....	23.59	12.30	1933 .....	14.4	14.5
1907 .....	20.41	13.83	1934 .....	13.2	14.3
1908 .....	23.36	12.35	1935 .....	14.2	14.1
1909 .....	20.02	12.27	1936 .....	16.1	12.1
1910 .....	19.16	12.99	1937 .....	14.4	14.9
1911 .....	19.04	11.11	1938 .....	14.9	11.2
1912 .....	20.98	13.51	1939 .....	12.3	11.7
1913 .....	17.15	10.6	1940 .....	12.5	11.9
1914 .....	17.55	11.52	1941 .....	13.6	12.9
1915 .....	16.25	12.89			

Year	Birth Rate per 1,000	Death Rate per 1,000
1895-99 .....	28.7	14.4
1900-04 .....	25.0	15.1
1905-09 .....	21.7	12.8
1910-14 .....	18.7	12.2
1915-19 .....	16.9	15.6
1920-24 .....	19.5	13.6
1924-28 .....	17.5	12.8
1927-31 .....	15.5	12.7
1931-35 .....	13.5	13.7
1935-39 .....	14.3	13.5

### Population of District.

Year	Pop.	Year	Pop.	Year	Pop.	Year	Pop.
1861 .....	9,493	1901 .....	8,837	1914 .....	9,230	1927 .....	9283
1871 .....	12,411	1902 .....	8,837	1915 .....	8,763	1928 .....	9,321
1890 .....	14,699	1903 .....	8,865	1916 .....	8,511	1929 .....	9,343
1891 .....	14,477	1904 .....	8,893	1917 .....	8,154	1930 .....	?
1892 .....	14,837	1905 .....	8,921	1918 .....	8,883	1931 .....	9,697
1893 .....	14,824	1906 .....	8,943	1919 .....	8,732	1932 .....	9,505
1894 .....	14,791	1907 .....	8,965	1920 .....	8,716	1933 .....	9,564
1895 .....	12,303	1908 .....	8,987	1921 .....	9,320	1934 .....	9,800
1896 .....	12,410	1909 .....	9,040	1922 .....	?	1935 .....	9,502
1897 .....	12,517	1910 .....	9,080	1923 .....	9,895	1936 .....	9,770
1898 .....	12,924	1911 .....	9,085	1924 .....	9,734	1937 .....	9,842
1899 .....	11,873	1912 .....	9,100	1925 .....	9,268	1938 .....	9,853
1900 .....	11,285	1913 .....	9,150	1926 .....	9,288	1939 .....	11,373



# POPULATION.

	1801	1821	1841	1851	1861	1871	1881	1891	1901	1911	1921	1931	1939 Estimate
Ashton-with-Stodday .....	176	242	185	173	184	191	207	186	181	167	172	173	97
Bolton-le-Sands .....	496	615	671	686	692	753	785	734	902	941	994	1153	1521.
Cockerham .....	714	773	847	774	778	803	761	705	677	596	569	525	504
Ellel .....	1167	1851	2223	1484	1967	1615	1787	1799	1812	1942	1904	1800	1635
Heaton-with-Oxcliffe .....	206	176	149	174	165	169	136	153	165	175	266	244	273
Middleton .....	161	185	200	185	182	184	157	124	172	178	188	208	242
Overton .....	332	344	390	334	305	296	325	321	346	294	367	282	300
Over Wyresdale.....	661	774	679	.680	524	500	513	523	464	476	448	411	390
Priest Hutton .....	168	213	254	234	218	185	213	242	172	186	166	195	169
Scotforth .....	462	579	643	693	955	1139	2263	1598	251	304	301	292	201
Silverdale .....	171	243	252	240	294	343	489	589	582	713	895	822	958
Slyne-with-Hest .....	259	317	316	309	312	307	301	360	487	541	695	865	1146
Thurnham & Cockersands.....	363	448	723	748	750	644	721	732	593	597	601	546	462
Warton .....	464	558	663	600	581	1035	1471	1384	1492	1380	1678	1694	1541
Yealand Conyers .....	196	264	322	306	272	300	309	304	267	303	227	246	189
Yealand Redmayne .....	148	227	228	226	209	227	210	222	191	194	182	178	164



# AREA.

	AREA IN ACRES.		No. of Houses in Rate in £		Product of 1d.
	1851	1881	1891	1901-37	1940-41 1941-42
Ashton-with-Stodday .....	1459-1-16	1949	1949	1522	25 3
Bolton-le-Sands .....	1569-3-1	1580	1580	1530	567 41
Cockerham .....	5561-3-19	5562	5562	5809	128 7
Ellel .....	5813-0-23	5814	5813	5811	495 27
Heaton-with-Oxcliffe .....	1832-3-15	2036	2036	2032	72 5
Middleton .....	1199-2-30	1200	1200	1370	72 19
Overton .....	1125-1-12	1837	1837	1840	109 5
Over Wyresdale .....	17318-0-35	17319	17319	17346	87 16
Priest Hutton .....	1085-0-4	1085	1085	1085	51 6
Scotforth .....	2879-3-24	2880	2794*	2126	61 19
Silverdale .....	1168-0-27	1168	1168	1461	332 26
Slyne-with-Hest .....	1143-1-23	1143	1143	1803	468 41
Thurnham & Cockersands .....	1503-1-19	2441	2496	2004	135 7
Warton .....	2824-1-8	2824	2824	4267	459 24
Yealand Conyers .....	1581-2-24	1582	1582	1582	62 6
Yealand Redmayne .....	2135-2-9	2136	2136	2136	52 3

\* Extension of Lancaster.







